

REGION 51 APPLICATION FOR RADIO SPECTRUM

FROM
HARRIS COUNTY

Note: The following document is required for each applicant.

SYSTEM DESIGN

Harris County requests to relocate and reuse existing licensed frequencies to provide needed additional capacity for the Regional Radio System, consisting of 12 counties, which will service to reduce the per channel loading for the users of the system. Currently the system has loading of 6000 units.

FUNDING STATEMENT

The equipment and/or upgrades for existing equipment have been purchased. Existing System.

IMPLEMENTATION SCHEDULE

The County intends to have the additional sites and repeaters fully implemented on the System within Twelve (12) months after receiving the frequencies.

EXISTING FREQUENCY STATEMENT

Harris County currently operates in cooperation with Chambers County, Ft. Bend County, Brazoria County, City of Pasadena, League City, Walker County, Missouri City, Matagorda County, and Montgomery County System owners through interlocal agreements a 263 channel 800 MHZ trunked radio system reusing frequencies and Dynamic Frequency Blocking (DFB) where a tower separation allows. We have a fully implemented digital P25 system.

**Mr. Robert Howard, Chairman
NSPAC Region 51
2318 Greens Road
Houston, Texas 77032
January 24, 2017**

Dear Chairman Howard:

Harris County requests to relocate and reuse existing licensed frequencies to provide needed Additional capacity of the Regional Radio System, consisting of 12 Counties. Currently the system has loading of 60, 000 units.

Chambers County, Fort Bend County, Brazoria County, City of Pasadena, Waller County, Liberty County Walker County, City of Houston Aviation, Missouri City, Galveston County, Colorado County, League City, Matagorda County and Montgomery County, Texas Department of Public Safety through the execution of interlocal agreements, have become participating members in the Regional Radio System.

Implementation will be complete within (12) months after the FCC has authorized the request of frequencies.

Sincerely,

**Bruce High, Chief Information Officer &
Executive Director of CTS**

To Whom It May Concern:
Radio Communications

Adjacent Channel Interference:

In all Harris County Radio planning, careful attention is given to minimize radio interference on all radio channels. Most interference can be minimized through proper planning and engineering. However, in some cases, even where proper engineering has been employed. Interference can be caused by equipment failure and/or poor servicing techniques:

Concerning any or all Harris County Radio Sites and/or channels, Harris County Radio Services is dedicated to the highest standards and performance that can be obtained in the industry. In the event of adjacent channel interference, or any type of interference which is caused radio equipment owned and maintained by Harris County, Harris County will correct the problem with its equipment or cease operation on the radio channel until the problem is resolved. If the interference cannot be remedied through normal techniques, and there is not equipment problem, Harris County will remove, re-license, and relocate the interfering radio channel to a new licensed physical location to resolve the problem and to adhere and conform to all standard approved by the NPSAC Region 51 plan.

Matthew Barna
Field Engineering Mgr.

Harris County Radio Services.

PUBLIC SAFETY PLANNING COMMITTEE FREQUENCY ASSIGNMENT REQUEST

For the 806/ 851-854 MHz Band

700 MHz public Safety Band

For Inclusion as part of the

REGION 5.1 Public Safety Communications Initial Frequency Assignment

Name of applicant: County of Harris, Texas

Mailing Address: 406 Caroline St. 4th Floor

City, State, Zip: Houston, Texas 77002

Authorized Signature: _____
Bruce High, CIO & Executive Director of ITC.

Is this a request for a new station?

Yes

If for a new station, will be trunked or conventional?

Trunked

Is this request for expansion of an existing system?

Yes

If for expansion of an existing 700/800 MHz station, how many RF channels are there in the existing system?

12 in the Northeast Simulcast

How many channels are you requesting from the new 806-851 MHz band?

Reuse of 6 existing licensed frequencies.

Reuse 6 - 800 Mhz.

APPLICANT GENERAL INFORMATION – SECTION A

1. Name of Applicant: Harris County Radio Services
2. Name of Preparer: Patrick Burleson
3. Title: LMR
4. Mailing Address: 406 Caroline 4th Floor
Houston, Texas 77002-2027
5. Telephone Number: 713-274-8810
6. Residential Population: Regional 6,480.682 (2013)
7. Business/Tourist Population:
8. Square Mile Area: Regional 13,638 square miles.
9. Unique Geographic Considerations:

The Regional Radio System ground elevation at its southern end is at or near seal level while areas in the northern end of the region are heavily wooded.

10. Unique Demographic Considerations:
 1. Southern Regional is home to a number of petrochemical industrial facilities.
 2. Home of the Port of Houston is a 25-mile-long complex of diversified public and private facilities located just a few hours sailing time from the Gulf of Mexico. The Port is ranked first in the United States in foreign waterborne Commerce, second in total tonnage, and sixth in the world.
 3. Home of George Bush Intercontinental Airport the 8th busiest airport in the U.S. for total passengers, and 7th largest international passenger gateway in the Nation.
 4. Houston is the fourth largest city in the U.S.
11. List all Departments/Divisions within above Applicant which have separate Communications Systems: None.

DEPARTMENT / DIVISION FREQUENCY USE
SECTION B

Note: One Section B is required for Existing Channel

1. Name of Applicant: **Harris County**
2. Name of Department/Division: **Harris County Radio Services - CTS**
3. Number of Personnel in this Department/Division which regularly use radios (excluding dispatchers). **18,200**
4. Carrier Frequency: **800 MHz Trunking**. (See attached copy of FCC license application).

 .Is this part of a Trunked System? **Yes**
 .Is this part of a Mutual Aid System? **Yes**
5. FCC assigned call sign(S) **WNBZ674, WPGD390, WPKL474, WPPF214, WPVC326, WPVK276, WPXP610, WQBM285, WQDW910, WQET713, WQGG825, WQJH486, WQJH488, WQJH490, WQJK321, KNNH590, WNAS493, WPMG297WPGT611, and WPVC326.**
6. FCC Part 90 Service Category: (Local Government Radio Service, Police Radio Service, Highway Maintenance Radio Service, Forestry-Conservation Radio Service. Special Emergency Radio Service, other). **Police Radio Service.**
7. Station Classification from License: (Voice, Data/Telemetry, Base Station (FB), Mobile Relay, (FB2) Control Station, (FX1) other. **FB2, FX1, MO**
8. Number of Mobiles in service and in operation at this time on the frequency (not including "Convertacom" units: **50000**
9. Number of portables (handhelds) in service and in operation at this time on this frequency not including spare units: **2000**

 .How many of these are used with a convertacom: **0**
 .How many of these same units are listed on other frequencies?
 .List quantity of frequencies: **0**
10. How many individual radio transmissions occur during an average 24-hour period: (Indicate estimated or measured) **1,171.391 measured.**

11. How many of these transmissions occur per hour during peak periods? (Indicate estimated or measured) **13,784**

12. Is this a voice channel, which is the typical airtime per individual transmission? (Less than five seconds, more than five seconds but less than ten seconds, more than ten seconds:
Four (4) seconds average (measured)

ADDITIONAL INFORMATION

SECTION C

Note: One SECTION C is required for each department/division.

1. Name of Applicant: Harris County
2. Name of Department/Division: Information Technology Center
3. How many channels are being requested for this division?
Reuse of 6 existing licensed.
4. State the intended use for the frequencies and the proposed system structure and spectrum considerations (interoperability): to create a North East Simulcast consisting of six frequencies for Huffman, Lake Houston, FS103 tower Sites.
5. Intended use is for public safety trunked system in the 800 MHz band.
6. What frequency band is desired for the new frequency? 800 MHz
7. Explain requirements for the selected band and reason why other spectrum will not suffice:
To create fill in coverage in the Humble Texas Area.

Please list your existing frequencies and explain their use.

Current Channel Locations

854.08750
853.12500
852.92500
852.58750
851.6000
851.45000

SEE ATTACHED COPY OF LICENSES FOR FREQUENCIES

Will the use of the requested frequencies replace use of existing frequencies currently licensed?

NO

If use of the requested frequencies will replace the use of existing frequencies currently licensed, you may be required "to give back" some current frequencies. Please list the frequencies you would consider as "givebacks" after you new channels are in operation.

Please give a month and year estimate for when you would expect the channels to become operational.

Within 1 Year of License being granted.

Please describe any actions that your entity has taken to fund the purchase of equipment for the requested channels. If no action has occurred, please indicate that no action has been accomplished and indicate how your entity of fund the purchase of new equipment and what date your expect it to occur.

Equipment has been purchased.

Please give the proposed latitude and longitude where the frequency transmitters will be located.

Site				
Latitude	29-59-40.62 N			
Longitude	095-15-56.42W			

Keeping in mind the jurisdictional boundary restrictions, please give the approximate radius, in miles that you expect to cover, from the proposed transmitter site.

Site				
Radius (Miles)	15			
Comment				

Please give the ground elevation at the site where the transmitting antenna will be located.

Site				
Elevation (Meters)	26.5			

Please give the average ground elevation for the radius that you expect to cover.

Site				
AGE (Meters)	70.1			

Please give the height the transmitting antenna will be mounted above average elevation.

Site				
Height (Meters)	76.2			

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN _____ METERS



SYSTEM EFFECTIVE RADIATED POWER 988 WATTS

ANTENNA CENTERLINE 73.1 METERS AGL

ANTENNA MFG: Sinclair

ANTENNA GAIN 11 dB

ORIENTATION: OMNI

ANTENNA MODEL: SC412

TRANSMISSION LINE TYPE 106.6 METERS

TRANSMISSION LINE LENGTH: 76.2 METERS

TRANSMISSION LINE LOSS/100FT 1 dB

TOTAL TRANSMISSION LINE LOSS 1.65 dB

CAVITIES MODEL: MOTOROLA

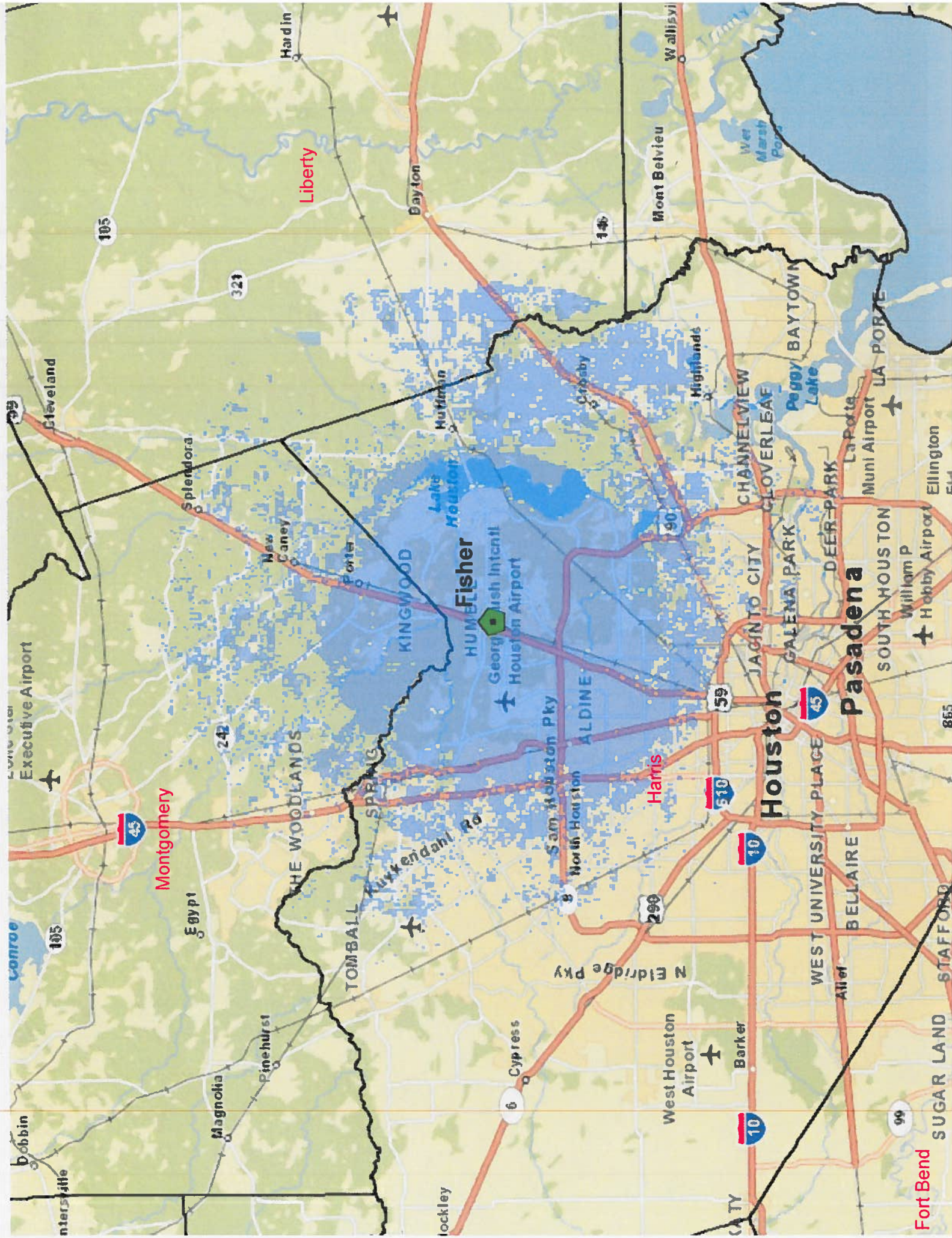
LOSS: 3 dB

JUMPER LOSS: 20 dB

POWER 100 WATTS

AVERAGE ELEVATION 27 METERS

GROUND ELEVATION: 26.5 METERS



FCC 601
Main Form

FCC Application for Wireless Telecommunications Bureau
Radio Service Authorization

Approved by OMB
3060-0798
See instructions for
Public burden
estimate

1) Radio Service Code: YE	1a) Existing Radio Service Code:
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Application Purpose: NE New
Application Purpose:

2) (New) NE - New RO - Renewal Only AU - Administrative Update NT - Required Notifications MD - Modification RM - Renewal/Modification WD - Withdrawal of Application EX - Request for Extension of Time AM - Amendment CA - Cancellation of License DU - Duplicate License RL - Registered Location/Link	
3a) If this application is for a Developmental License, Demonstration License, or a Special Temporary Authorization (STA), enter the code and attach the required exhibit as described in the instructions. Otherwise enter N (Not Applicable)	(N) D M S N/A
3b) If this application is for Special Temporary Authority due to an emergency situation enter 'Y'; otherwise enter 'N.' Refer to Rule 1.915 for an explanation of situations considered to be an emergency.	(N) Yes No
4) If this application is an Amendment or Withdrawal, enter the file number of the pending application currently on file with the FCC.	File Number
5) If this request is for a Modification, Renewal Only, Renewal/Modification, Cancellation of License, Duplicate License, or Administrative Update, enter the call sign of the existing FCC license. If this is a application for Registered Location/Link, enter the FCC call sign assigned to the geographic license.	Call Sign
6) If this application is for a New, Amendment, Renewal Only or Renewal/Modification, enter the requested authorization expiration date (this item is optional).	
7) Is this application "major" as defined in para 1.929 of the Commission's Rules when read in conjunction with the applicable radio service rules found in Parts 22 and 90 of the Commission's rules? (NOTE: This question only applies to certain site-specific applications. See the instructions for applicability and full text of para 1.929).	N/A
8) Are attachments (other than associated schedules) being filed with this application?	(Y) Yes No

Fees, Waivers, and Exemptions

9) Is the applicant exempt from FCC application fees?	(Y) Yes No
10) Is the applicant exempt from FCC regulatory fees?	(Y) Yes No
11a) Does this application include a request for a Waiver of the Commission's rules? If 'Yes', attach an exhibit providing rule numbers and explaining circumstances.	(N) Yes No
11b) If 11a is 'Y', enter the number of rule section(s) being waived.	
12) Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station?	(Y) Yes No

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Applicant Information

13) FCC Registration Number (FRN): 0003556537			
14) Applicant/Licensee Legal Entity Type (Select One) <input type="checkbox"/> Individual <input type="checkbox"/> Unincorporated Association <input type="checkbox"/> Trust <input checked="" type="checkbox"/> Government Entity <input type="checkbox"/> Corporation <input type="checkbox"/> Limited Liability Company <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Limited Liability Partnership <input type="checkbox"/> Consortium <input type="checkbox"/> Other:			
15) If the licensee name is being updated, is the update a result from the sale (or transfer of control) of the license(s) to another party and for which proper Commission approval has not been received or proper notification not provided? N			
16) First Name (if individual):	MI:	Last Name:	Suffix:
17) Legal Entity Name (if other than individual): Harris County Radio Services			
18) Attention To: Bruce High			
19) P.O. Box:	And/Or	20) Street Address: 406 Caroline 4th Floor	
21) City: Houston	22) State: TX		23) ZIP Code: 77002
24) Telephone Number: (713) 755-6777		25) FAX:	
26) E-Mail Address: Bruce.High@lrc.hctx.net			
Race: <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African-American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White		Ethnicity: <input type="checkbox"/> Hispanic or Latino <input type="checkbox"/> Not Hispanic or Latino	
		Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female	

Real Party in Interest

28) Name of Real Party in Interest of Applicant (if different from applicant):	29) FCC Registration Number (FRN) of Real Party in Interest:
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Contact Information (if different from applicant)

30) First Name: Patrick	MI:	Last Name: Burleson	Suffix:
31) Company Name: Harris County Radio Services			
32) Attention To:			
33) P.O. Box:	And /Or	34) Street Address: 2318 Greens RD.	
35) City: Houston	36) State: TX		37) ZIP Code: 77032
38) Telephone Number: (713) 274-8810		39) FAX:	
40) E-Mail Address: Patrick.Burleson@lrc.hctx.net			

Regulatory Status

41) This filing is for authorization to provide or use the following type(s) of radio service offering (enter all that apply):
☐ Common Carrier ☐ Non-Common Carrier ☒ Private, internal communications ☐ Broadcast Services ☐ Band Manager

Type of Radio Service

42) This filing is for authorization to provide the following type(s) of radio service (choose all that apply):
☒ Fixed ☒ Mobile ☐ Radiolocation ☐ Satellite (sound) ☐ Broadcast Services

43) Does the Applicant propose to provide service interconnected to the public telephone network? ☒ Yes ☐ No

Alien Ownership Questions

44) Is the applicant a foreign government or the representative of any foreign government? ☒ Yes ☐ No

45) Is the applicant an alien or the representative of an alien? ☒ Yes ☐ No

46) Is the applicant a corporation organized under the laws of any foreign government? ☒ Yes ☐ No

47) Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? ☒ Yes ☐ No

48a) Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? ☒ Yes ☐ No

48b) If the answer to 48a is 'Y', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application?

If the answer to 48b is 'Y', attach an exhibit that identifies the citation(s) of the applicable declaratory ruling(s) by DA/FCC number of the FCC Record citation, if available, release date, and any other identifying information ☒ Yes ☐ No

If the answer to 48b is 'N', attach to this filing a date-stamped copy of a request for a foreign ownership ruling pursuant to Section 310(b)(4) of the Communications Act. It is not necessary to file a request for a foreign ownership ruling if the Applicant includes in the exhibit required by Item 48a showing that the requested license(s) is exempt from the provisions of Section 310(b)(4).

Basic Qualification Questions

49) Has the applicant or any party to this application had any FCC station authorization, license, or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license, construction permit denied by the Commission? ☒ Yes ☐ No

50) Has the applicant or any party to this application or amendment, or any party directly or indirectly controlling the applicant, ever been convicted of a felony by any state or federal court? ☒ Yes ☐ No

51) Has any court finally adjudged the applicant or any party directly or indirectly controlling the applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition? ☒ Yes ☐ No

If the answer to any of 49-51 is 'Y', attach an exhibit explaining the circumstances.

Aeronautical Advisory Station (Unicom) Certification

52) I certify that the station will be located on property of the airport to be served, and, in cases where the airport does not have a control tower, RCO, or FAA flight service station, that I have notified the owner of the airport and all aviation service organizations located at the airport within ten days prior to application. N/A

Broadband Radio Service and Educational Broadband Service Cable Cross-Ownership

53a) Will the requested facilities be used to provide multichannel video programming service? N/A

53b) If the answer to question 53a is yes, does applicant operate, control or have an attributable interest (as defined in Section 27.1202 of the Commission's Rules) in a cable television system whose franchise area is located with the geographic N/A

service area of the requested facilities?

Note: If the answer to question 53b is 'Y', attach an exhibit explaining how the applicant complies with Section 27.1202 of the Commission's Rules or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, item 11a must be answered 'Y'.

Broadband Radio Service and Educational Broadband Service (Part 27)

- 54) (For EBS only) Does the applicant comply with the programming requirements contained in Section 27.1203 of the Commission's Rules?

Note: If the answer to question 54 is 'N', attach an exhibit explaining how the applicant complies with Section 27.1203 of the Commission's Rules or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, item 11a must be answered 'Y'.

N/A

- 55) (For BRS and EBS) Does the applicant comply with Sections 27.50, 27.55, and 27.1221 of the Commission's Rules?

Note: If the answer to question 55 is 'N', attach an exhibit justifying a waiver of that rule(s). If a waiver of the Commission Rule(s) is being requested, item 11a must be answered 'Y'.

N/A

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General Certification Statements

- 1) The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application.
- 2) The applicant certifies that grant of this application would not cause the applicant to be in violation of any pertinent cross-ownership, attribution, or spectrum cap rule.*
*If the applicant has sought a waiver of any such rule in connection with this application, it may make this certification subject to the outcome of the waiver request.
- 3) The applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.
- 4) The applicant certifies that neither the applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1998, 21 U.S.C. p862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under Section 1.2002(c) of the rules, 47 CFR p1.2002(c). See Section 1.2002(b) of the rules, 47 CFR p1.2002(b). for the definition of "party to the application" as used in this certification.
- 5) The applicant certifies that it either (1) has a current required ownership data on file with the Commission, (2) is filing updated ownership data simultaneously with this application or (3) is not required to file ownership data under the Commission's Rules.
- 6) The applicant certifies that the facilities, operations, and transmitters for which this authorization is hereby requested are either (1) categorically excluded from routine environmental evaluation for RF exposure as set forth in 47 C.F.R. 1.1307(b), or, (2) have been found not to cause human exposure to levels of radio frequency radiation in excess of the limits specified in 47 C.F.R. 1.1310 and 2.1093, or, (3) are the subject of one or more Environmental Assessments filed with the Commission.
- 7) The applicant certifies that it has reviewed the appropriate Commission Rules defining eligibility to hold the requested license(s), and is eligible to hold the requested license(s).
- 8) The applicant certifies that it is not in default on any payment for Commission licenses and that it is not delinquent on any non-tax debt owed to any federal agency.

Signature

56) Typed or Printed Name of Party Authorized to Sign

First Name: Bruce	MI:	Last Name: High	Suffix:
57) Title: Chief Information Officer			
Signature:			58) Date:

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

Upon grant of this license application, the licensee may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in termination of the license. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of license requested in this application.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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**FCC 601
Schedule D**

**Wireless Telecommunications Bureau Schedule
for
Station Locations and Antenna Structures**

Approved by OMB
3060-0798
See 601 Maint Form
for public burden estimate

1) Action Requested: (A) <u>Add</u> <u>Mod</u> <u>Del</u>		2) Location Number: <u>1</u>	
3) Location Description: <u>Fixed</u>		4) Area of Operation Code: <u>N/A</u>	
5) Location Name: <u>Fisher</u>			
6) FCC Antenna Structure Registration # or N/A (FAA Notification not Required) <u>1301311</u>			
7) Latitude (DD-MM-SS.S): <u>29-59-40.6</u>		8) Longitude (DDD-MM-SS.S): <u>95-15-56.4</u>	
NAD83 (N) <u>N</u> or <u>S</u>		NAD83 (W) <u>E</u> or <u>W</u>	
9) Street Address, Name of Landing Area, or Other Location Description: <u>310 Fisher Road, Humble Texas 77338</u>			
10) City: <u>Humble</u>		11) State: <u>TX</u>	
12) County/Borough/Parish: <u>Harris</u>			
13) Elevation of Site AMSL (meters) (a' in antenna structure example): <u>26.5</u>		14) Overall Ht AGL Without Appurtenances (meters) (b' in antenna structure example): <u>61.0</u>	
15) Overall Ht AGL With Appurtenances (meters) (c' in antenna structure example): <u>76.2</u>			
16) Support Structure Type: <u>LTOWER - Lattice Tower</u>			
17) Location Number: (Only for Area of Operation Code 'A')		18) Radius (km):	
		19) Airport Identifier:	
		20) Site Status:	
21) Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner)		22) Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner)	
NAD83 () <u>N</u> or <u>S</u>		NAD83 () <u>E</u> or <u>W</u>	
23) Do you propose to operate in an area that requires frequency coordination with Canada? (N) <u>Yes</u> <u>No</u>			
24) Description: (only for Area of Operation Code 'O'):			
25) Number of Units: <u> </u> Hand Held <u> </u> Mobile <u> </u> Temporary Fixed <u> </u> Aircraft <u> </u> Itinerant			
26) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311. (N) <u>Yes</u> <u>No</u>			
27a) If the proposed site is located in one of the quiet zones listed in item 27 of the instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified:			
27b) Has the applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application? (N) <u>Yes</u> <u>No</u>			
28) Do you propose to operate in an area that requires frequency coordination with Mexico? (N) <u>Yes</u> <u>No</u>			

FCC 601 - Schedule D
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FCC 601
Schedule D

Wireless Telecommunications Bureau Schedule
for
Station Locations and Antenna Structures

Approved by OMB
3060-0798
See 601 Maint Form
for public burden estimate

1) Action Requested: (A) <u>Add</u> <u>Mod</u> <u>Del</u>		2) Location Number: <u>2</u>	
3) Location Description: <u>6.1 Meter Control Station</u>		4) Area of Operation Code: <u>County Wide Area of Operation</u>	
5) Location Name: <u>Control Station</u>			
6) FCC Antenna Structure Registration # or N/A (FAA Notification not Required)			
7) Latitude (DD-MM-SS.S): <u>NAD83</u> () <u>N</u> or <u>S</u>		8) Longitude (DDD-MM-SS.S): <u>NAD83</u> () <u>E</u> or <u>W</u>	
9) Street Address, Name of Landing Area, or Other Location Description:			
10) City:		11) State: <u>TX</u>	
12) County/Borough/Parish: <u>Harris</u>			
13) Elevation of Site AMSL (meters) ('a' in antenna structure example):		14) Overall Ht AGL Without Appurtenances (meters) ('b' in antenna structure example):	
15) Overall Ht AGL With Appurtenances (meters) ('c' in antenna structure example):			
16) Support Structure Type: <u>None - No support structure</u>			
17) Location Number: (Only for Area of Operation Code 'A')		18) Radius (km):	
19) Airport Identifier:		20) Site Status:	
21) Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner) <u>NAD83</u> () <u>N</u> or <u>S</u>		22) Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner) <u>NAD83</u> () <u>E</u> or <u>W</u>	
23) Do you propose to operate in an area that requires frequency coordination with Canada? (N) <u>Yes</u> <u>No</u>			
24) Description: (only for Area of Operation Code 'O'):			
25) Number of Units: <u> </u> Hand Held <u> </u> Mobile <u> </u> Temporary Fixed <u> </u> Aircraft <u> </u> Itinerant			
26) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311. (N) <u>Yes</u> <u>No</u>			
27a) If the proposed site is located in one of the quiet zones listed in item 27 of the instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified:			
27b) Has the applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application? (N) <u>Yes</u> <u>No</u>			
28) Do you propose to operate in an area that requires frequency coordination with Mexico? (N) <u>Yes</u> <u>No</u>			

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See 601 Maint Form
for public burden estimate

1) Action Requested: (A) <u>Add</u> <u>Mod</u> <u>Del</u>		2) Location Number: <u>3</u>	
3) Location Description: <u>Mobile</u>		4) Area of Operation Code: <u>Land Mobile Control Station Meeting the 6.1 Meter</u>	5) Location Name: <u>Mobile</u>
6) FCC Antenna Structure Registration # or N/A (FAA Notification not Required)			
7) Latitude (DD-MM-SS.S): NAD83 () <u>N</u> or <u>S</u>		8) Longitude (DDD-MM-SS.S): NAD83 () <u>E</u> or <u>W</u>	
9) Street Address, Name of Landing Area, or Other Location Description:			
10) City: <u>Humble</u>		11) State: <u>TX</u>	12) County/Borough/Parish: <u>Harris</u>
13) Elevation of Site AMSL (meters) ('a' in antenna structure example):	14) Overall Ht AGL Without Appurtenances (meters) ('b' in antenna structure example):	15) Overall Ht AGL With Appurtenances (meters) ('c' in antenna structure example):	
16) Support Structure Type: <u>None - No support structure</u>			
17) Location Number: (Only for Area of Operation Code 'A')	18) Radius (km):	19) Airport Identifier:	20) Site Status:
21) Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner) NAD83 () <u>N</u> or <u>S</u>		22) Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner) NAD83 () <u>E</u> or <u>W</u>	
23) Do you propose to operate in an area that requires frequency coordination with Canada?			(N) <u>Yes</u> <u>No</u>
24) Description: (only for Area of Operation Code 'O'):			
25) Number of Units: <u> </u> Hand Held <u> </u> Mobile <u> </u> Temporary Fixed <u> </u> Aircraft <u> </u> Itinerant			
26) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311.			(N) <u>Yes</u> <u>No</u>
27a) If the proposed site is located in one of the quiet zones listed in item 27 of the instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified:			
27b) Has the applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application?			(N) <u>Yes</u> <u>No</u>
28) Do you propose to operate in an area that requires frequency coordination with Mexico?			(N) <u>Yes</u> <u>No</u>

FCC 601
Schedule HWireless Telecommunications Bureau Schedule for
Station Locations and Antenna StructuresApproved by OMB
3060-0798
See 601 Main Form
for public burden
estimate

Eligibility

1) Rule Section: 90.523	2) Describe Activity: Government Entity Providing Emergency Communications for Public Safety
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Frequency Coordination Information (if not self-coordinated)

3) Frequency Coordination Number:	4) Name of Frequency Coordinator:	5) Telephone Number:	6) Coordination Date:
CAP003819	APCO		
7) Has this application been successfully coordinated?			(N) Yes / No

Extended Implementation (Slow Growth)

8) Are you requesting a new or modified extended implementation plan? If "yes", attach an exhibit with a justification and a proposed station construction schedule.	(N) Yes / No
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Associated Call Signs (Attach additional sheets if required)

9) WQWA789				

Broadcast Auxiliary Only

If there is an associated Parent Station, complete items 10-12.	10) Facility Id of Parent Station:	11) Radio Service of Parent Station:	12) City and State of Parent Station Principal Community:
13) If there is no associated parent station, this applicant is a: () Broadcast Network Entity Television Cable operator Motion Picture Producer Television Producer			14) State of Primary Operation:

Control Point(s) (Other than at the transmitter) (Attach additional sheets if required)

15) Action A/M/D	16) Control Point Number	17) Location Street Address, City or Town, County/Borough/Parish, State	18) Telephone Number
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1. A	1	406 Caroline 4th Floor, Houston, Harris, TX	(713) 755-6777
2.			
3.			
4.			
5.			

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February 2008 - Page 1

Antenna Information

19) Action (A/M/D)	20) Location Number	21) Antenna Number	22) AAT (meters)	23) Antenna Ht (meters)	24) Azimuth (degrees)	25) Beamwidth (degrees)	26) Polarization	27) Gain (dB)
1. A	1	1	150.2	140.2			V	11.0
2. A	2	1					V	
3. A	3	1					V	
4.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								
13.								
14.								
15.								
16.								
17.								
18.								
19.								
20.								
21.								
22.								

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Frequency Information

28) Action (A/M/D)	29) Location Number	30) Antenna Number	31) Frequency (MHz) New	32) Station Class	33) No. of Units	34) No. of Paging Receivers	35) Output Power (watts)	36) ERP (watts)	37) Emission Designators
1. A	1	1	851.450000	FB2	1		100.000	999.000	8K10F1D
2.									8K10F1E
3.									8K10F7W
4.									8K70D1W
5.									8K70D7W
6. A	1	1	851.600000	FB2	1		100.000	999.000	8K10F1D
7.									8K10F1E
8.									8K70D1W
9.									8K70D7W
10.									8KAOF7W
11. A	1	1	852.587500	FB2	1		100.000	990.000	8K10F1D
12.									8K10F7W
13.									8K10F1E
14.									8K70D1W
15.									8K70D7W
16. A	1	1	852.925000	FB2	1		100.000	990.000	8K10F1D
17.									8K10F7W
18.									8K70D1W
19.									8K70D7W
20.									8KAOF1E
21. A	1	1	853.125000	FB2	1		100.000	990.000	8K10F1D
22.									8K10F1E

Frequency Information

28) Action (A/M/D)	29) Location Number	30) Antenna Number	31) Frequency (MHz) New	32) Station Class	33) No. of Units	34) No. of Paging Receivers	35) Output Power (watts)	36) ERP (watts)	37) Emission Designators
23.									8K10F7W
24.									8K70D1W
25.									8K70D7W
26.	A 1	1	854.087500	FB2	1		100.000	990.000	8K10D1W
27.									8K10F1D
28.									8K10F1E
29.									8K10F7W
30.									8K70D7W
31.	A 2	1	806.450000	FX1	1000		15.000	15.000	8K10F1D
32.									8K10F1E
33.									8K10F7W
34.									8K70D1W
35.									8K70D7W
36.	A 2	1	806.600000	FX1	1000		15.000	15.000	8K10F1D
37.									8K10F1E
38.									8K10F7W
39.									8K70D1W
40.									8K70D7W
41.	A 2	1	807.587500	FX1	1000		15.000	15.000	8K10F1D
42.									8K10F1E
43.									8K10F7W
44.									8K70D1W

Frequency Information

28) Action (A/M/D)	29) Location Number	30) Antenna Number	31) Frequency (MHz) New	32) Station Class	33) No. of Units	34) No. of Paging Receivers	35) Output Power (watts)	36) ERP (watts)	37) Emission Designators
45.									8K70D7W
46. A	2	1	807.925000	FX1	1000		15.000	15.000	8K10F1D
47.									8K10F1E
48.									8K10F7W
49.									8K70D1W
50.									8K70D7W
51. A	2	1	808.125000	FX1	1000		15.000	15.000	8K10F1D
52.									8K10F1E
53.									8K10F7W
54.									8K70D1W
55.									8K70D7W
56. A	2	1	809.087500	FX1	1000		15.000	15.000	8K10F1D
57.									8K10F1E
58.									8K10F7W
59.									8K70D1W
60.									8K70D7W
61. A	3	1	806.450000	MO	50000		35.000	35.000	8K10F1D
62.									8K10F1E
63.									8K10F7W
64.									8K70D1W
65.									8K70D7W
66. A	3	1	806.600000	MO	50000		35.000	35.000	8K10F1D

Frequency Information

28) Action (A/M/D)	29) Location Number	30) Antenna Number	31) Frequency (MHz) New	32) Station Class	33) No. of Units	34) No. of Paging Receivers	35) Output Power (watts)	36) ERP (watts)	37) Emission Designators
67.									8K10F1E
68.									8K10F7W
69.									8K70D1W
70.									8K70D7W
71.	A	3	1	807.587500	MO	50000	35.000	35.000	8K10F1D
72.									8K10F1E
73.									8K10F7W
74.									8K70D1W
75.									8K70D7W
76.	A	3	1	807.925000	MO	50000	35.000	35.000	8K10F1D
77.									8K10F1E
78.									8K10F7W
79.									8K70D1W
80.									8K70D7W
81.	A	3	1	808.125000	MO	50000	35.000	35.000	8K10F1D
82.									8K10F1E
83.									8K10F7W
84.									8K70D1W
85.									8K70D7W
86.	A	3	1	809.087500	MO	50000	35.000	35.000	8K10F1D
87.									8K10F1E
88.									8K10F7W

Frequency Information

28) Action (A/M/D)	29) Location Number	30) Antenna Number	31) Frequency (MHz) New	32) Station Class	33) No. of Units	34) No. of Paging Receivers	35) Output Power (watts)	36) ERP (watts)	37) Emission Designators
89.									8K70D1W
90.									8K70D7W
91.									
92.									
93.									
94.									
95.									
96.									
97.									
98.									
99.									
100.									
101.									
102.									
103.									
104.									
105.									
106.									
107.									
108.									
109.									
110.									